



Form PTO/1449 (modified)

LIST OF PRIOR ART CITED BY APPLICANT

Sheet 1 of 4

Application No.: 10/672,991

Filing Date: September 26, 2003

First Named Inventor: Edward F. Stephens

Group Art Unit: Not Assigned 2823

Examiner: Not Assigned B. KEBEDE

Attorney Docket No.: 47080/00029USD1

U.S. PATENT DOCUMENTS

Examiner Initial	Ref.	Document Number	Date	Name	Class	Sub/Class	Filing Date (if Application)
BK	A1	3,303,432	02/07/1967	Garfinkel et al.	331	94.5	
BK	A2	3,339,151	08/29/1967	Smith			
BK	A2	3,590,248	06/29/1970	Chatterton Jr.			
BK	A3	3,654,497	04/04/1972	Dyment et al.	372	8	
BK	A4	3,771,031	11/06/1973	Kay			
BK	A5	3,802,967	04/09/1974	Ladany et al.	438	479	
BK	A6	3,896,473	07/22/1975	DiLorenzo et al.	372	36	
BK	A7	3,958,263	05/18/1976	Panish et al.	372	45	
BK	A8	3,962,655	06/08/1976	Selway et al.			
BK	A9	4,092,614	05/30/1978	Sakuma et al.	331	94.5	
BK	A10	4,315,225	02/09/1982	Allen, Jr. et al.			
BK	A11	4,383,270	05/10/1983	Schelhorn	357	71	
BK	A12	4,393,393	07/12/1983	Allen, Jr. et al.	357	81	
BK	A13	4,454,602	06/12/1984	Smith			
BK	A14	4,573,067	02/25/1986	Tuckerman et al.	357	82	
BK	A15	4,617,585	10/14/1986	Yasui	357	72	
BK	A16	4,716,568	12/29/1987	Scifres et al.			
BK	A17	4,730,324	03/08/1998	Azad			
BK	A18	4,831,629	05/16/1989	Paoli et al.			
BK	A19	4,847,848	07/11/1989	Inoue et al.			
BK	A20	4,877,641	10/31/1989	Dory	427	38	
BK	A21	4,881,237	11/14/1989	Donnelly	372	50	
BK	A22	4,899,204	02/06/1990	Rosen et al.	357	30	
BK	A23	4,901,330	02/13/1990	Wolfram et al.			
BK	A24	4,949,346	08/14/1990	Kuper et al.			
EXAMINER Brook Kebede				DATE CONSIDERED 12/9/2005			

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Sheet 2 of 4

Application No.: 10/672,991

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Group Art Unit: ~~Not Assigned~~ 2823Examiner: ~~Not Assigned~~ B. KEBEDE

Attorney Docket No.: 47080/00029USD1

U.S. PATENT DOCUMENTS (continued)

Examiner Initial	Ref.	Document Number	Date	Name	Class	Sub/Class	Filing Date (if Application)
BK	A25	4,975,923	12/04/1990	Buus et al.	372	50	
BK	A26	5,001,355	03/19/1991	Rosen et al.	250	551	
BK	A27	5,022,042	06/04/1991	Bradley			
BK	A28	5,031,187	07/09/1991	Orenstein et al.	372	50	
BK	A29	5,040,187	08/13/1991	Karpinski			
BK	A30	5,073,838	12/17/1991	Ames	361	103	
BK	A31	5,084,888	01/28/1992	Tajima et al.			
BK	A32	5,099,214	03/24/1992	Rosen et al.			
BK	A33	5,099,488	03/24/1992	Ahrabi et al.	372	361	
BK	A34	5,105,429	04/14/1992	Mundinger et al.	372	34	
BK	A35	5,115,445	05/19/1992	Mooradian			
BK	A36	5,128,951	07/07/1992	Karpinski			
BK	A37	5,156,999	10/20/1992	Lee	437	215	
BK	A38	5,163,064	11/10/1992	Kim et al.	372	50	
BK	A39	5,212,699	05/18/1993	Masuko et al.	372	34	
BK	A40	5,216,263	06/01/1993	Paoli	257	88	
BK	A41	5,216,688	06/01/1993	Kortz et al.	372	75	
BK	A42	5,284,790	02/08/1994	Karpinski			
BK	A43	5,287,375	02/15/1994	Fujimoto	372	38	
BK	A44	5,305,344	04/19/1994	Patel			
BK	A45	5,311,535	05/10/1994	Karpinski			
BK	A46	5,311,536	05/10/1994	Paoli et al.			
BK	A47	5,323,411	06/21/1994	Shirasaka et al.	372	43	
BK	A48	5,325,384	06/28/1994	Herb et al.			
BK	A49	5,337,325	08/09/1994	Hwang	372	36	

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12/9/2005

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Form PTO/1449 (modified) LIST OF PRIOR ART CITED BY APPLICANT Sheet 3 of 4	Application No.: 10/672,991 Filing Date: September 26, 2003 First Named Inventor: Edward F. Stephens Group Art Unit: Not Assigned 2823 Examiner: Not Assigned B. KEBEDE Attorney Docket No.: 47080/00029USD1
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U.S. PATENT DOCUMENTS (continued)

Examiner Initial	Ref.	Document Number	Date	Name	Class	Sub/Class	Filing Date (if Application)
BK	A50	5,351,259	09/27/1994	Ishimori et al.			
BK	A51	5,388,755	02/14/1995	Baxter			
BK	A52	5,394,426	02/28/1995	Joslin			
BK	A53	5,394,427	02/28/1995	McMinn et al.	372	70	
BK	A54	5,402,436	03/28/1995	Paoli			
BK	A55	5,402,437	03/28/1995	Mooradian			
BK	A56	5,438,580	08/01/1995	Patel et al.			
BK	A57	5,485,482	01/16/1996	Selker et al.			
BK	A58	5,526,373	06/11/1996	Karpinski			
BK	A59	5,663,979	09/02/1997	Marshall	372	103	
BK	A60	5,764,675	07/11/1996	Juhala			
BK	A61	5,835,518	11/10/1998	Mundinger et al.	372	50	
BK	A62	5,898,211	04/27/1999	Marshall et al.	257	601	
BK	A63	5,987,043	11/16/1999	Brown et al.	372	36	
BK	A64	6,352,873	03/05/2002	Hoden	438	28	

FOREIGN PATENT DOCUMENTS

Examiner Initial	Ref.	Document Number	Date	Country	Class	Sub/Class	Translation Yes/No
BK	B1	JP 55-65450	05/1980	Japan	257	675	Yes
BK	B2	JP 59-067639	06/04/1984	Japan	H01S	3/18	Abstract
BK	B3	JP 3-269325	11/1987	Japan	257	625	Yes
BK	B4	JP 2-281782	11/19/1990	Japan			
BK	B5	JP 3-6875	01/14/1991	Japan	H01S	3/18	Abstract
BK	B6	JP 4-023381	01/27/1992	Japan	H01S	3/18	Abstract
BK	B7	JP 4-359207	12/11/1992	Japan	H01S	3/18	Abstract

EXAMINER <i>Brook Kebede</i>	DATE CONSIDERED <i>12/9/2005</i>
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Examiner Initial	Ref.	Document Number	Date	Country	Class	Sub/Class	Translation Yes/No
BK	B8	JP 6-13717	01/21/1994	Japan	H01S	3/18	Abstract
BK	B9	EP 0 458 469 A1	11/27/1991	Europe	257	675	Yes
BK	B10	EP 0 550 996 A1	01/09/1992	Europe	H01S	3/025	
BK	B11	EP 0 634 822 A1	01/18/1995	Europe	H01S	3/00	
BK	B12	EP 0 805 527 A2	11/05/1997	Europe	H01S	3/025	
BK	B13	EP 0 833 419 A1	04/01/1998	Europe	H01S	3/43	

OTHER DOCUMENTS (including author, title, date, pertinent pages, etc.)

Examiner Initial	Ref.	Document Information
BK	C1	Coherent Laser Group, Laser Diodes and Bars, 5 pages (no date)
BK	C2	Endriz et al., "High Power Diode Laser Arrays," IEEE J. Quantum Electronics, Vol. 28, No. 4, pp. 952-965 (April 1992)
BK	C3	IBM Technical Disclosure Bulletin, Vol. 31, No. 12, pp. 5-7 (May 1989)
BK	C4	IBM Technical Disclosure Bulletin, Vol. 31, No. 6, pp. 372-373 (November 1988)
BK	C5	Thomson/CSF Semiconducteurs Specifiques, Package Specification (schematic), p. 3 (no date)
BK	C6	Patent Abstracts of Japan, Vol. 15, No. 54, 2 pages (February 8, 1991)
BK	C7	Anonymous, "Thermal Spacer For Room Temperature Close Packed GaAs Laser Arrays," IBM Technical Disclosure Bulletin, Vol. 12, No. 12, 1 page (May 1970)
BK	C8	Munding, D., et al., "High Average Power Edge Emitting Laser Diode Arrays On Silicon Microchannel Coolers," Applied Physics Letters, Vol. 57, No. 21, pp. 2172-2174 (November 19, 1990)
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